aiwa



TWONV

CS-W530 CS-W531



• BASIC TAPE MECHANISM: TN-21ZVW-1820

• TYPE: EZ

REVISION PUBLISHING

•This Service Manual is the "Revision Publishing" and replaces Simple Manual CS-W530/531. (S/M Code No. 09-992-407-2T1)

SPECIFICATIONS

<FM Tuner section> Tuning range

87.5 MHz to 108 MHz

Speakers Output

<General>

100 mm cone type x 2

Antenna

Rod Antenna

27 mm ceramic type x 2 Headphones jack(stereo mini-

<MW Tuner section>

530 kHz to 1605 kHz

jack) Power output 4.0 W + 4.0 W(DIN MUSIC

Tuning range Antenna

Ferrite bar antenna

POWER)

<LW Tuner section> **Tuning range**

2.5 W + 2.5 W(EIAJ/4Ω,THD 10%) 1.9 W + 1.9 W(DIN 1% Rated

Antenna

150 kHz to 285 kHz Ferrite bar antenna

Power) Power requirements DC 9 V using six R20 (size D)

<Deck section> Track format Frequency range

batteries

4 tracks, 2 channels Normal tape : 50 Hz -12500 Hz AC 230 V, 50 Hz 12 W

Power consumption

Recording system

(EIAJ) AC bias Magnet erase **Dimensions** Weight

571(W) x 163(H) x 150(D) mm Approx. 2.9 kg(excluding batteries)

Erasing system Heads

Deck1: Playback head x 1 Deck2: Recording/playback head x 1/erase head x 1

· Design and specifications are subject to change without notice.

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI	DESCRIPTION	REF. NO.	PART NO.	KANRI	DESCRIPTION
		NO.				NO.	•
IC				C507	87-010-380-080		ELECT 47-16V
	07 320 046 040	о стем	(1/2/VP	C509 C510	87-010-248-080 87-010-402-080		ELECT 220-10V ELECT 2.2-50V
	87-A20-946-040 87-A20-851-040			C511	87-010-380-080		ELECT 47-16V
	8Z-CS1-611-010			C512	87-018-131-080		CER 1000P-50V
	87-002-260-010						
	87-CD7-602-010	IC,TA8	227P	C513	87-010-382-080		ELECT 22-25V
				C514	87-010-404-080		ELECT 4.7-50V
TRANSISTO	n			C515 C516	87-010-380-080 87-018-131-080		ELECT 47-16V CER 1000P-50V
TRANSISTO	K.			C517	87-010-131-080		ELECT 4.7-50V
	89-324-584-080	TR,2SC	2458 (0.2W)	****			
	87-026-663-010			C518	87-010-404-080		ELECT 4.7-50V
	87-026-291-080			C519	87-010-404-080		ELECT 4.7-50V
	87-026-664-010	TR, C85	50	C520 C521	87-018-131-080 87-018-131-080		CER 1000P-50V CER 1000P-50V
				C524	87-010-248-080		ELECT 220-10V
DIODE						•	
				C527	87-018-133-080		CITOR, CER 4700P+16V
	87-017-437-080		IN4148M	C529	87-010-265-080	•	ELECT 33-16V
	87-A40-337-080	•	MTZJ 6.8B	C530 C533	87-018-134-080 87-018-119-080		CITOR,TC-U 0.01-16 CER 100P-50V
	88-CD9-651-090 87-070-334-080	-	MTZJ10B	C534	87-018-119-080		CER 100P-50V
	87-A40-398-010						
				C535	87-018-119-080		CER 100P-50V
				C536	87-018-119-080		CER 100P-50V
MAIN C.B				C601	87-010-404-080 87-010-401-080		ELECT 4.7-50V
C201	87-010-404-080	וא פאס פו	LECT 4.7-50V	C602 C603	87-010-401-080		ELECT 1-50V ELECT 1-50V
C202	87-010-404-080		LECT 4.7-50V	6003	0, 010 101 000	· · · · · ·	10001 1 000
C203	87-010-248-080		LECT 220-10V	C604	87-010-263-080	CAP,	ELECT 100-10V
C204	87-010-380-080		LECT 47-16V	C605	87-010-401-080		ELECT 1-50V
C205	87-010-402-080	CAP, E	LECT 2.2-50V	C606	87-010-401-080		ELECT 1-50V
C206	87-010-404-080	CAD FI	LECT 4.7-50V	C607 C608	87-010-404-080 87-010-248-080		ELECT 4.7-50V ELECT 220-10V
C207	87-010-404-080		SECT 4.7-50V	2000	07 010 240 000	· · · · · · ·	DDDCI LLV IVV
C208	87-018-134-080		FOR, TC-U 0.01-16	C609	87-010-401-080		ELECT 1-50V
C209	87-018-134-080		POR,TC-U 0.01-16	C610	87-010-401-080		ELECT 1-50V
C210	87-018-134-080	CAPACI	TOR,TC-U 0.01-16	C620	87-010-401-080		ELECT 1-50V
C211	87-018-134-080	о сарасти	TOR, TC-U 0.01-16	C621 C622	87-010-382-080 87-010-382-080		ELECT 22-25V ELECT 22-25V
C301	87-018-131-080		R 1000P-50V	CULL		Ç.11 /	20201 22 234
C302	87-010-400-080		ECT 0.47-50V	C701	87-010-384-080	CAP,	E 100-25V
C303	87-010-265-080		LECT 33-16V	C702	87-010-263-080		ELECT 100-10V
C304	87-018-208-080	CAP 0.0)47-50F	C703 C704	87-010-248-080 87-010-380-080		ELECT 220-10V ELECT 47-16V
C305	87-010-545-080	CAP. EI	LECT 0.22-50V	C801	87-010-380-080		CER 1000P-50V
C306	87-010-545-080		LECT 0.22-50V			,	
C307	87-018-134-080		OR,TC-U 0.01-16	C802	87-018-131-080		CER 1000P-50V
C308	87-018-134-080		FOR, TC-U 0.01-16	C803	87-010-380-080		ELECT 47-16V
C309	87-010-544-080	CAP, EI	LECT 0.1-50V	C804 C805	87-010-380-080 87-010-248-080		ELECT 47-16V ELECT 220-10V
C310	87-010-401-080	CAP. EI	ECT 1-50V	C806	87-010-384-080		ELECT 100-25V
C311	87-010-546-080	•	ECT 0.33-50V				
C312	87-010-545-080		LECT 0.22-50V	C808	87-010-236-080		E 1000-10 SME
C313	87-018-038-080	•	-S 330P-50 B	C809	87-010-384-080		ELECT 100-25V
C316	87-018-059-080	CAP, TC	22P-50 CH	C811 C813	87-010-236-080 87-010-401-080		E 1000-10 SME ELECT 1-50V
C317	87-A10-496-010	CAP.CEI	R 18P-50V	C814	87-010-401-080		ELECT 1-50V
C318	87-A10-129-010	CAP, CEI	R,3P-50V				
C321	88-254-452-010	CERAMIC	CAPACITOR 150P-50V	C815	87-010-385-080		ELECT 220-25V
C322	88-254-352-010		R 82P-50V	C817	87-018-209-080		CER 0.1-50V
C323	87-018-045-080	CAP, TC-	-S 2200P-25	C818 C820	87-018-209-080		CER 0.1-50V ELECT 1-50V
C328	88-254-052-010	CAP.CE	R 5P-50V	C821	87-010-401-080 87-010-401-080		ELECT 1-50V
C329	88-254-290-810		R 47P-50V			,	
C330	87-018-059-080		-S 22P-50CH	C822	87-018-205-080		CERA-SOL 0.022
C331	88-254-240-810		30P-50V	C823	87-018-205-080		CERA-SOL 0.022
C332	87-018-059-080	CAP TC-	-S 22P-50CH	C826 C827	87-010-380-080 87-018-202-080		ELECT 47-16V CERAM.6800PF
C336	87-018-045-080	CAP.TC-	-S 2200P-25 X	C830	87-018-202-080		CERAM.6800PF
C339	87-010-221-080		ECT 470-10V				
C340	87-018-208-080	CAP 0.0	047-50F	C901	87-018-211-080		CER 0.01-50
C342	87-018-131-080	•	ER 1000P-50V	C902	87-018-211-080		CER 0.01-50
C401	87-010-380-080	CAP, EI	JECT 47-16V	C903	87-018-211-080		CER 0.01-50
C402	87-010-544-080	CAP. FI	JECT 0.1-50V	C904 C905	87-018-211-080 87-010-389-080		CER 0.01-50 ELECT 2200-25V SME
C501	87-018-131-080		R 1000P-50V	5,05			
C502	87-018-131-080	CAP, CI	R 1000P-50V	CD303	8Z-CS1-614-010		,CD10.7G1S
C503	87-018-131-080		R 1000P-50V	CF301	8Z-CS1-613-010		,SFU465
C504	87-018-131-080	CAP, CI	CR 1000P-50V	CF302 CN501	82-785-747-080 8Z-CS1-662-010		S2 GHY,R ,3 PINS 5267-03A
C505	87-010-380-080	CAP. ET	JECT 47-16V	CN502	8Z-CS1-663-010		,4 PINS 5267-04A
		,	,				

	REF. NO.	PART NO.	Kanri No.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
	CN702 CN703 CN704	8Z-CS1-663-010 8Z-CS1-662-010 8Z-CS1-664-010	CONN, 3	PINS 5267-04A PINS 5267-03A	TC302	8Z-CS1-606-010 87-011-220-080	TRIMMER	AS 4A363R CAP 20P VTC
Δ	F901 JK801	87-A90-092-080 87-A60-420-010	FUSE PR	PINS 5267-08A OTECTOR,2.5A/60V ,#MSJ-20000 3.5MM	VR501	87-011-220-080 87-024-172-080 S5-010-850-000	SEMI-FI	CAP 20P VTC XED RESISTOR, 10K OHM
	L302 L303 L304 L305	8Z-CS1-622-010 S0-080-000-070 8Z-CS1-610-010 8Z-CS1-622-010	IFT CEO COIL, FM COIL, FM	4T 5MM -800 7KS-1,7MM ANT 9T-3.0MM 4T 5MM		8Z-CS1-616-010 8Z-CS1-615-010		50KB(VOLUME) 50KB(TONE)
	L308 PVC301	S2-352-411-100 S5-222-000-040	•	235:24 FM/SW 266/20 PF	LED C.B	CO 024 202 050	IED CE	COOLSM OVERHAL PRINCIPLE PRO
	R701 SW201 SW301	87-001-196-080 8Z-CS1-603-010 S6-300-611-000 8Z-CS1-605-010	FUSE, I SW,Q-SO SLIDE S	CP-N10 UND W,SK63D01G6		S0-024-202-050 S0-024-202-050		5201AT 2X5MM BRIGHT RED 5201AT 2X5MM BRIGHT RED
	SW702 T301	8Z-CS1-601-010 8Z-CS1-602-010 8Z-CS1-609-010 8Z-CS1-628-010	SW, SK43 COIL, AM COIL, LW	H02 (FUNC) D01 (MONO/ST) IFT 4A224R OSC 1A875R				

TRANSISTOR ILLUSTRATION



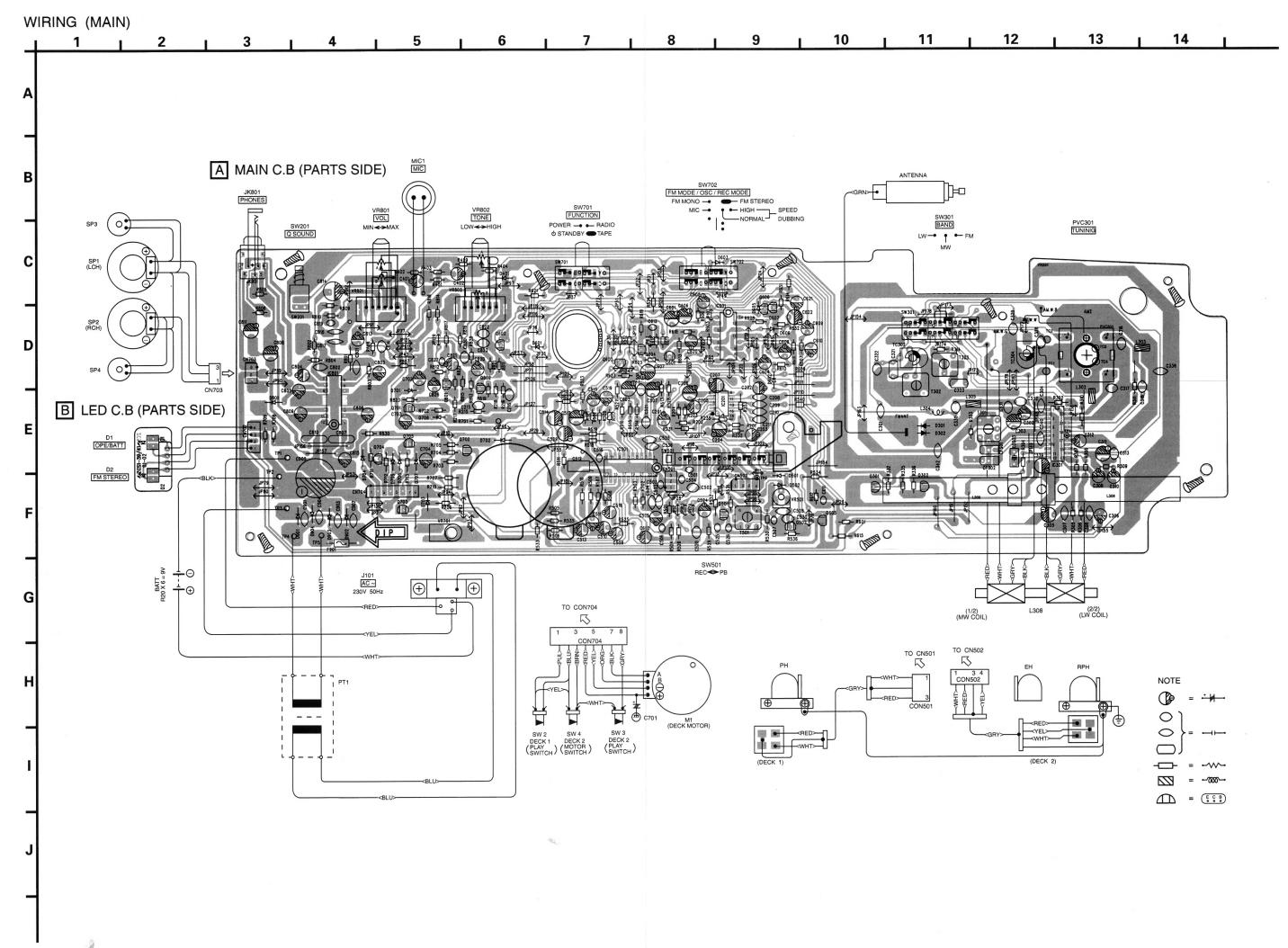
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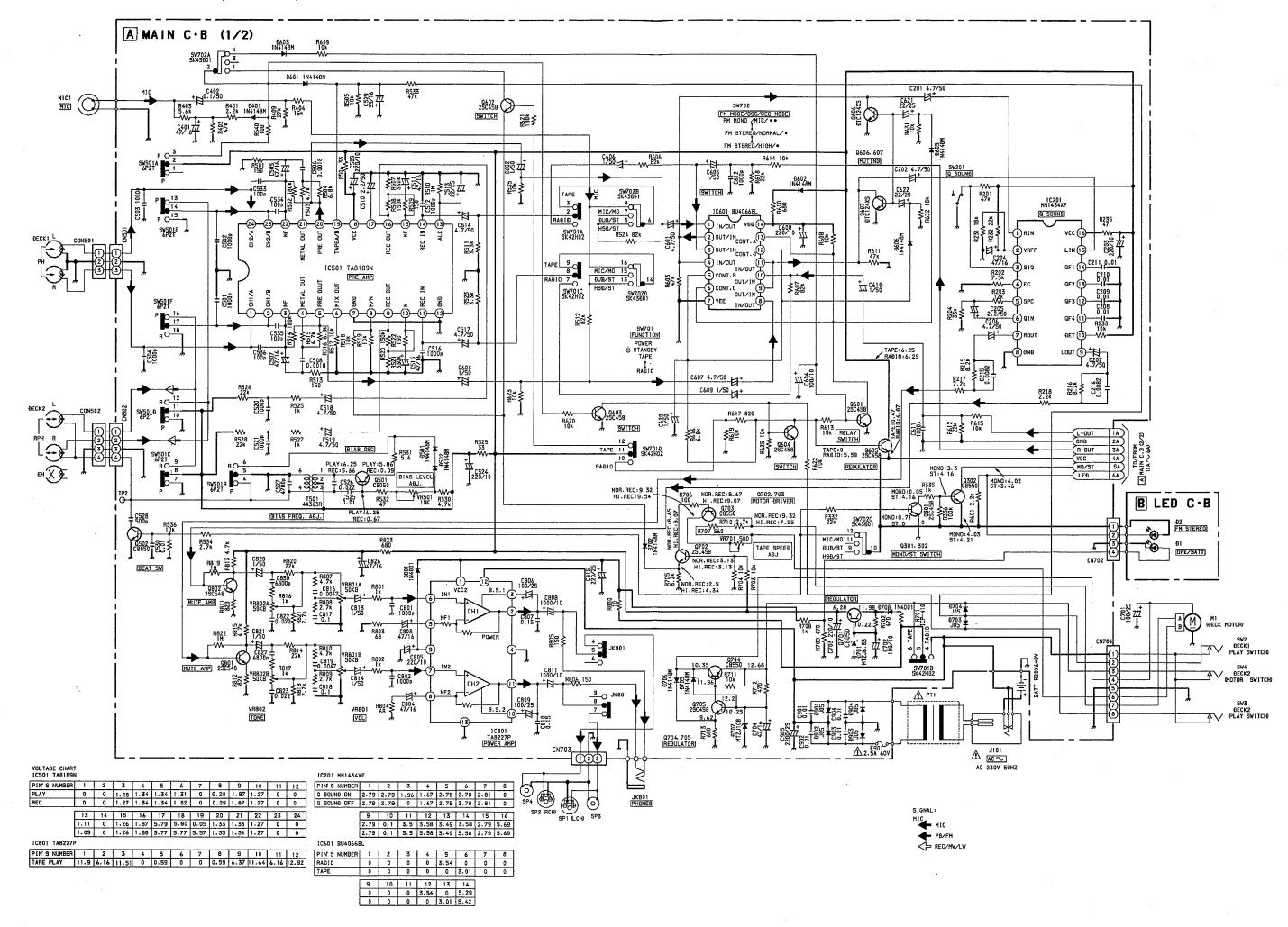
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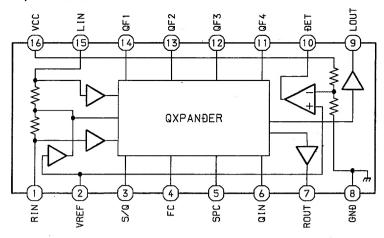
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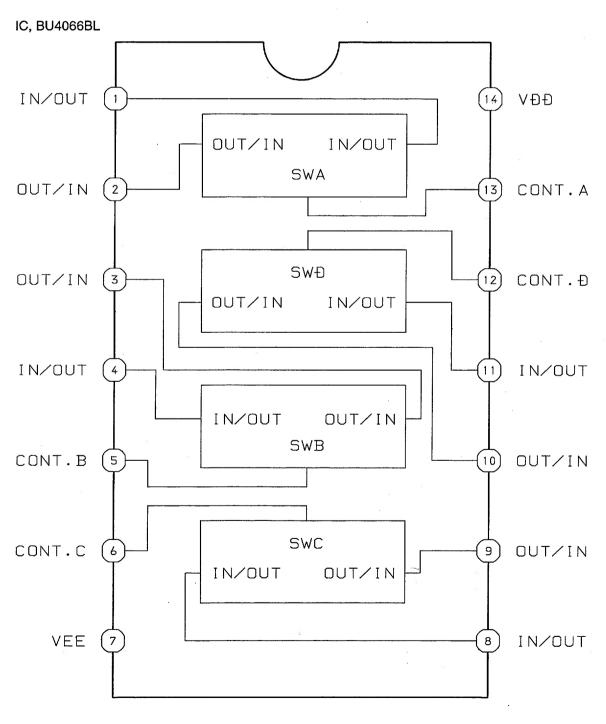


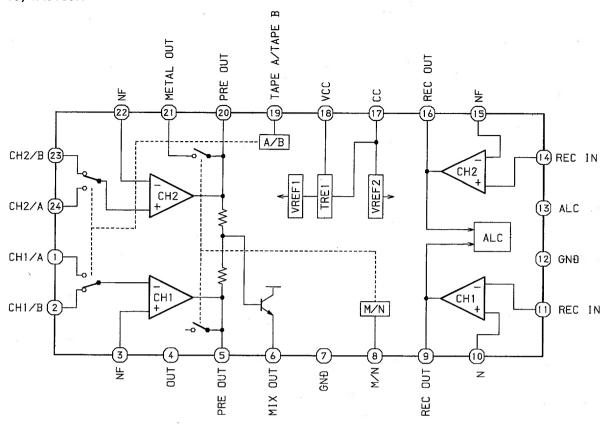


IC BLOCK DIAGRAM

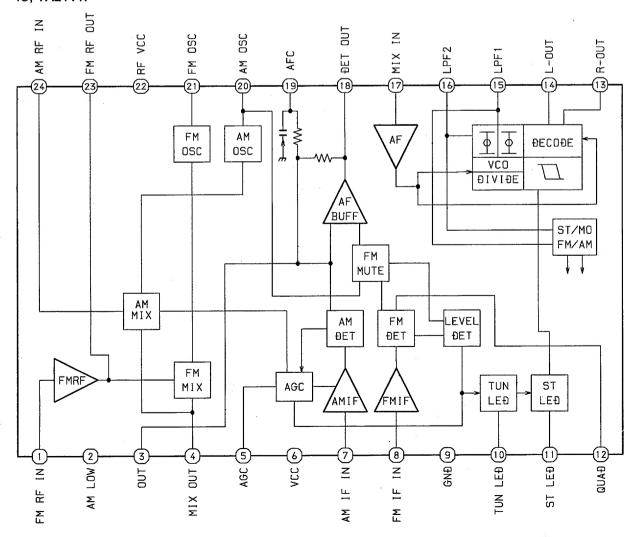
IC, MM1434XF

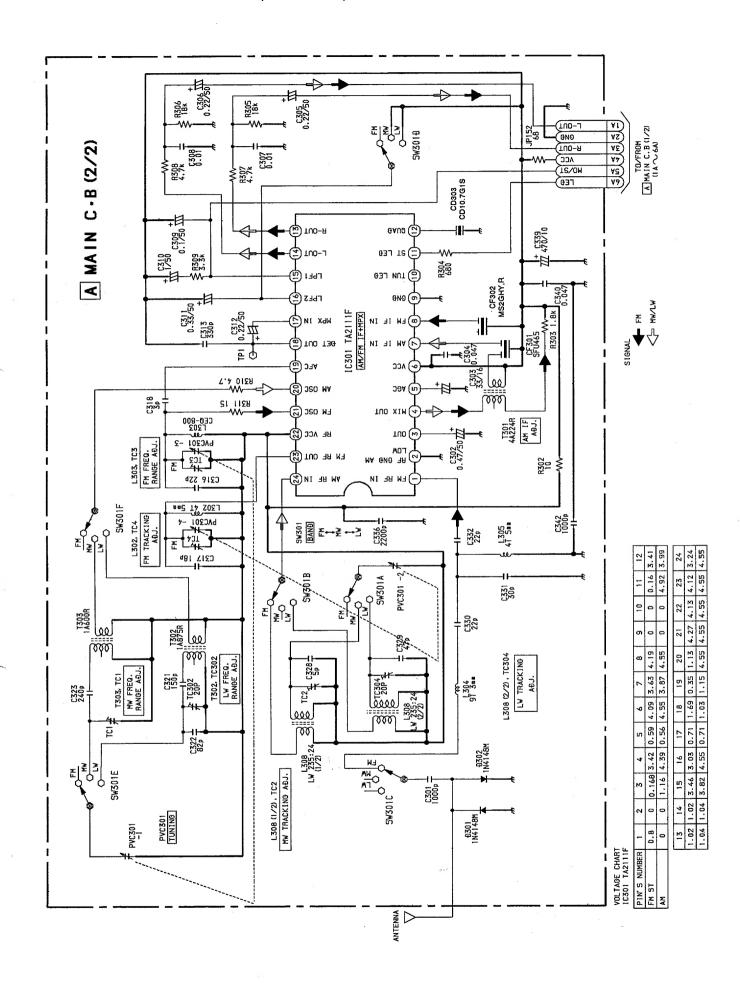


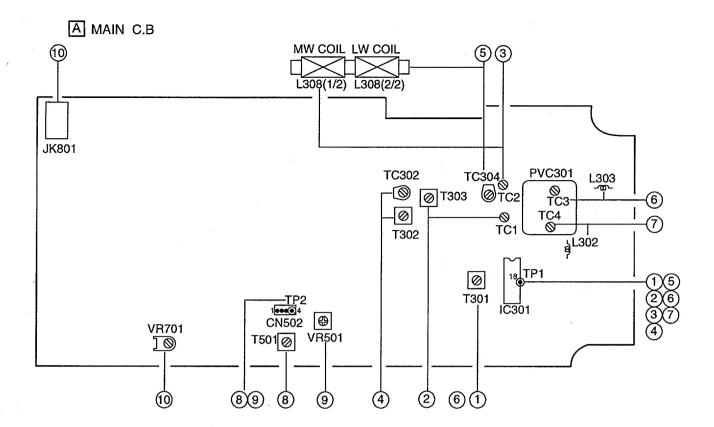




IC, TA2111F







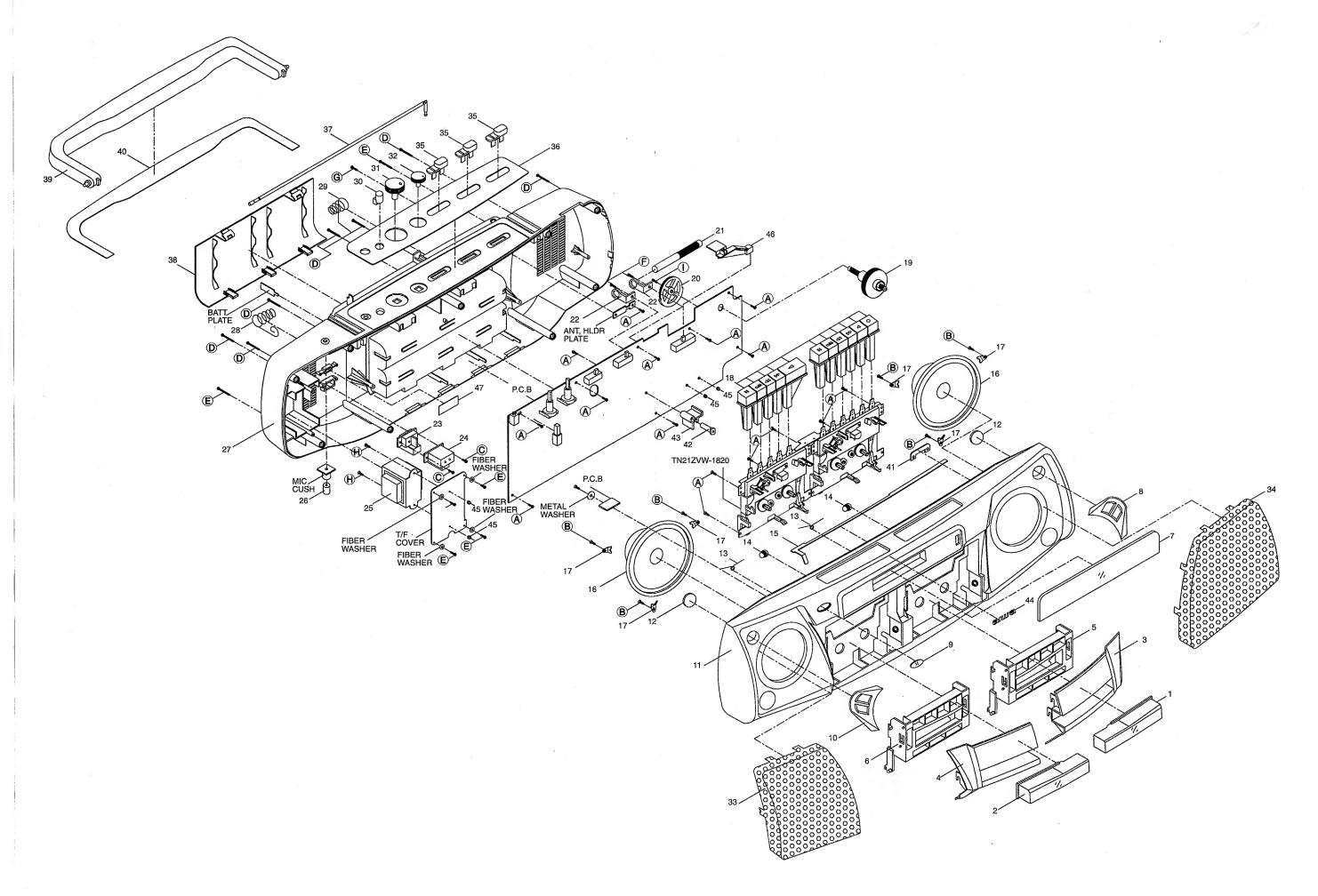
<TUNER SECTION>

1.	AM IF Adjustment Settings: • Test point: TP1 (IC301 PIN18) • Adjustment location:
	T301465 kHz
2.	MW Frequency Range Adjustment Settings: • Test point: TP1 (IC301 PIN18) • Adjustment location: T303515 kHz
	TC11635 kHz
3.	MW Tracking Adjustment Settings: • Test point: TP1 (IC301 PIN18) • Adjustment location: L308(1/2)600 kHz waveform max. TC21400 kHz waveform max.
4.	LW Frequency Range Adjustment Settings: • Test point: TP1 (IC301 PIN18) • Adjustment location: T302
5.	LW Tracking Adjustment Settings: • Test point: TP1 (IC301 PIN18) • Adjustment location: L308(2/2)150 kHz waveform max.
	TC304280 kHz waveform max.

6.	FM Frequency Range Adjustment
	Settings: • Test point: TP1 (IC301 PIN18)
	Adjustment location:
	L303 87.3 MHz
	TC3 108.3 MHz
7.	FM Tracking Adjustment
	Settings: • Test point: TP1 (IC301 PIN18)
	 Adjustment location :
	L302 88 MHz waveform max.
	TC4 108 MHz waveform max.
< I	DECK SECTION >
8.	Bias Frequency Adjustment
	Settings: • Test point: TP2 (CN502 PIN4)
	 Adjustment location ;
	T50155 KHz
9.	
	Bias Level Adjustment
	Settings: • Test point: TP2 (CN502 PIN4)
10.	Settings: • Test point: TP2 (CN502 PIN4) • Adjustment location:
10.	Settings: • Test point: TP2 (CN502 PIN4) • Adjustment location: VR501

• Adjustment location :

VR701 3000 Hz+90/-60 Hz



If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION		REF. NO.	PART NO.	KANF NO.	RI DESCRIPTION
1	8Z-CS1-006-010		NDOW, CASS (R)		21	8Z-CS1-013-01		KNOB, RTRY VOL
	8Z-CS2-025-010		NDOW, CASS (L)			8Z-CS1-014-01		KNOB, RTRY TONE
	8Z-CS1-004-010					8Z-CS1-014-01		GRILLE, L <ezs></ezs>
	8Z-CS1-004-010 8Z-CS2-031-010	1 11	D,CASS (R) <ezs> D,CASS R (B)<ezb> D,CASS (L)<ezs></ezs></ezb></ezs>			8Z-CS2-041-01		GRILLE, L (B) < EZB>
3		, DI	D CASS K (B) LEGS			8Z-CS1-027-01		GRILLE, R <ezs></ezs>
4	84-032-000-010	, 111	D,CASS (L) <ezs></ezs>		34	02-031-027-01	•	GKIDDE, K DBO
Δ	8Z-CS2-030-010	T.T	D,CASS L (B) <ezb></ezb>		34	8Z-CS2-042-01	D	GRILLE,R (B) <ezb></ezb>
	8Z-CS2-039-010		D, CASS BKT R (B) <ezb></ezb>			8Z-CS1-011-01		KNOB, SL
	8Z-CS1-021-010		D, CASS BRACKET(R) < EZS			8Z-CS2-013-01		PLATE, TOP EZ
	8Z-CS2-038-010		D, CASS BKT L (B) <ezb></ezb>			S0-184-110-00		TELESCOPIC ROD ANTENNA
	8Z-CS1-020-010		D, CASS BRACKET(L) < EZS	>		8Z-CS1-009-01		LID, BATT <ezs></ezs>
•	02-001-020-010		5, cr.55 5, a.c. 12, 1255		30	05 051 007 01	•	227,200
7	8Z-CS2-010-010	WI	NDOW, DIAL EZ <ezs></ezs>		38	8Z-CS2-034-01	0	LID, BATT (B) < EZB>
	8Z-CS2-032-010	WI	NDOW.DIAL EZ (W531) <e< td=""><td>ZB></td><td></td><td>8Z-CS1-018-01</td><td></td><td>HANDL, 2PIECES<ezs></ezs></td></e<>	ZB>		8Z-CS1-018-01		HANDL, 2PIECES <ezs></ezs>
	8Z-CS1-023-010	CO	VER, TWEETER(R)			8Z-CS2-036-01		HANDL, 2PIECES (B) < EZB>
	8Z-CS1-008-010	WI	NDOW, LED			8Z-CS1-024-01		COVER, HANDLE 2PIECES <ezs></ezs>
	8Z-CS1-022-010	CO	NDOW,DIAL EZ (W531) <e: VER, TWEETER(R) NDOW,LED VER, TWEETER(L)</e: 			8Z-CS2-037-01		COVER, HANDLE 2PIECES(B) <ezb></ezb>
11	8Z-CS2-028-010	CA	BI,FR EX (B) <ezb></ezb>		41	S4-438-450-00	0	POINTER PLATE
	8Z-CS2-002-010		BI, FRONT EX <ezs></ezs>		42	86-CS3-212-01	0	HLDR, REC ACTUATER-A
	S3-200-010-000		ZZER			86-CS3-213-01		HLDR, REC ACTUATER-B
	8Z-CS1-204-010		R-T,CASS			81-CD1-032-01		BADGE, AIWA 30.5-5.2
	86-CS3-214-010		AR,			86-CS3-217-01		NUT, M3X0.5P NI
			•					•
15	8Z-CS1-015-010	PO	INTER,		46	8Z-CS1-201-01	0	HLDR, BAND
16	S4-040-030-110	SP	K.4 OHM 3W		47	86-CS3-210-01	0	COVER, VOLTAGE
17	86-CS3-215-010	CL	CLID CDVD		A	87-741-095-41	0	ST3X8MM BB BRASS BASED
18	8Z-CS2-024-010	KE	KEY, CASS SET (B) < EZB> KEY, CASS SET (CR) < EZS>		В	87-741-094-41	0	ST3X6MM BB BRASS BASED
18	8Z-CS2-001-010	KE	Y, CASS SET (CR) <ezs></ezs>		С	87-651-075-41	0	ST2.6X10MM PB BRASS BASED
19	8Z-CS1-012-010	KN	OB,RTRY TUNER <ezs></ezs>			87-741-103-41	0	ST3X25MM HEAD V5.9-6.3 BB
19	8Z-CS2-035-010	KN	OB, RTRY TUNER (B) < EZB	>	E		0	ST3X20MM BB HEAD
20	86-CS3-201-010	GE.	AR, PVC		F	87-261-096-41	0	3X10MM PM BRASS BASED
21	S0-101-000-000	FE	RRITE BAR 100X10MM(LW)	G	87-253-098-41	.0	3X14MM PM NI, T.T.S
22	86-CS3-216-010	HL	DR,BAR ANT		H	87-761-094-41	0	SCREW, 3X6MM PWM
^								
	8Z-CS1-667-010		SOCKET MKJ102,250V S	EMKO	I	87-261-073-41	0	V+2.6-6
△ 24	86-CS3-211-010	CO	VER, AC SOCKET					
	S3-820-001-400		004WEI48/23&F&BEN&230					
	8Z-CS1-641-010		C CONDENSER MIC CMT-6	DН				
27	8Z-CS2-029-010	CA	BI,REAR EX (B) <ezb></ezb>					
		_						
	8Z-CS2-004-010		BI,REAR HE <ezs></ezs>					
	86-CS3-207-010		R,BATT (-)					
	86-CS3-208-010		R,BATT (+/-)					
	8Z-CS1-025-010		N,Q-SOUND <ezs></ezs>					
30	8Z-CS2-040-010	BT	N,Q-SOUND (B) <e2b></e2b>					

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
В	Black	С	Cream	D	Orange
G	Green	Н	Gray	L	Blue
LT	Transparent Blue	N	Gold	Р	Pink
R	Red	S	Silver	ST	Titan Silver
Т	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity:

Less than 22 dB

(THD 3%)

[at 88 / 98.0 / 108.0 MHz]

Signal to noise ratio:

More than 40 dB

(mono)

[at 98.0 MHz]

Distortion(mono):

Less than 3.0 % [at 98.0MHz]

Stereo separation:

More than 25 dB [at 98.0 MHz]

Intermediate frequency:

10.7 MHz ± 0.3 MHz

<MW SECTION>

Sensitivity: (S/N 10 dB) Less than 54 dB [at 600/1000/1400 kHz]

Signal to noise ratio:

More than 30 dB

[at 1000 kHz]

Distortion: (5mV/m 30%) Less than 3.0 % [at 1000 kHz]

Distortion: (5mV/m 80%)

Less than 6.0 % [at 1000 kHz] Intermediate frequency: 465 kHz ± 5 kHz

<LW SECTION>

Sensitivity:

Less than 64 dB

(S/N 10 dB) Distortion:

[at 150/200/280 kHz] Less than 3.0 %

(5mV/m 30%)

[at 200 kHz] Intermediate frequency: 465 kHz ± 5 kHz

<DECK SECTION>

Tape speed:

2940Hz ~ 3090 Hz(LOW, Deck1,2)

5000Hz ~ 5600 Hz(HI, Deck1,2)

Wow & flutter:

Less than 0.35 %(Deck 1,2)

Take-up torque: FF/REW torque: 30 ~ 60 g-cm (FWD, Deck1,2) $45 \sim 140 \text{ g-cm(Deck 1,2)}$

PB output level: REC output level: Distortion (PB):

More than 2.0 W(Deck1,2) More than 2.0 W(Deck1) Less than 3.0dB (Deck1,2) Less than 7.0dB(Deck1)

Distortion (REC): Signal to noise ratio:

More than 35 dB(Deck1,2)

(PB)

Cross talk (PB):

More than 30 dB(Deck1,2) More than 30 dB(Deck1,2)

Seperation (PB): Noise ratio (PB):

Less than 40 mV(Max., Deck1,2) Less than 2.0 mV(Min., Deck1,2)

More than 30 dB(Deck1)

Erasing ratio (REC):

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO. PART NO.

Kanri No.

DESCRIPTION

.

1 8Z-CS2-908-010 1 87-A80-081-020 IB,EZ(9L)A POWER CORD

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION

REFERENCE NAME

ANT C-CAP C-CAP TN C-COIL **ANTENNAS**

CHIP
CAP, CHIP
CAP, CHIP TANTALUM
COIL, CHIP

C-DI C-DIODE

C-FET C-FOTR

C-JACK

DIODE, CHIP DIODE, CHIP FET, CHIP FILTER, CHIP JACK, CHIP

C-LED C-RES C-SFR C-SLIDE SW

C-SW

LED, CHIP RES, CHIP SFR, CHIP SLIDE SWITCH, CHIP SWITCH, CHIP

C-TR C-VR C-ZENER CAP, CER CAP, E

TRANSISTOR, CHIP VOLUME, CHIP ZENER, CHIP CAP, CERA-SOL CAP, ELECT

CAP, M/F CAP, TC CAP, TC-U CAP, TN CERA FIL

CAP, FILM CAP, CERA-SOL CAP, CERA-SOL SS CAP, TANTALUM FILTER, CERAMIC

CF DL E/CAP **FILT FLTR**

FILTER, CERAMIC CAP, ELECT FILTER FILTER

FUSE RES MOT P-DIODE P-SNSR P-TR

RES, FUSE MOTOR PHOTO DIODE PHOTO SENSER PHOTO TRANSISTOR

POLY VARI PPCAP PT PTR, RES

VARIABLE CAPACITOR CAP, PP POWER TRANSFORMER PTR, MELF REMOTE CONTROLLER

RES NF RESO SHLD SOL SPKR

RES, NON-FLAMMABLE RESONATOR SHIELD SOLENOID SPEAKER

SW, LVR SW, RTRY SW, SL TC CAP THMS

SWITCH, LEVER SWITCH, ROTARY SWITCH, SLIDE CAP, CERA-SOL THERMISTOR

TRIMER TUN-CAP VIB, CER VIB, XTAL

TRANSISTOR CAP, TRIMMER
VARIABLE CAPACITOR
RESONATOR, CERAMIC
RESONATOR, CRYSTAL

VR ZENER

VOLUME DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION **ADHESHIVE**

REFERENCE NAME

BAR-ANT BATT

SHEET ADHESHIVE AZIMUTH BAR-ANTENNA BATTERY BATTERY

BRG BTN CAB CASS

BEARING BUTTON CABINET CASSETTE CHASSIS

CLR CONT CRSR CUSH

COLLAR CONTROL CURSOR CUSHION CUSHION

DIR **DUBB** FLY-WHL DIRECTION DUBBING FRONT LOADING **FLYWHEEL** FRONT

FUN G-CU HDL HIMERON HINGE, BAT **FUNCTION** G-CUSHION HANDOL HINGE, BATTERY

HLDR HT-SINK IB. IDLE IND, L-R HOLDER HEAT SINK INSTRUCTION BOOKLET INDICATOR, L-R

KEY, CONT KEY, PRGM KNOB, SL LBL LID, BATT

KEY, CONTROL KEY, PROGRAM KNOB, SLIDE LID, BATTERY

LID, CASS LVŔ P-SP PANEL, CONT PANEL, FR LID, CASSETTE LEVER P-SPRING PANEL, CONTROL PANEL, FRONT

PRGM PULLY, LOAD MO RBN

PROGRAM PULLY, LOAD MOTOR RIBBON ŠEG SEGMENT

SHLD-SH SL SP-SCREW

SHEET SHIELD-SHEET SLIDE SPRING

SPACER, BAT

SPECIAL-SCREW SPACER, BATTERY

SPR SPR-P SPR-PC-PUSH T-SP

SPRING P-SPRING P-SPRING, C-PUSH T-SPRING

TERM TRIG TUN VOL

TERMINAL TRIGGER TUNING VOLUME WASHER

WHI WORM-WHL WHEEL WORM-WHEEL

サーヒ	ごス技術ニュース
番号	連絡内容
G	12.1
G	
G→ -	

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